CIVIL TECH LABS

5, 1st Cross, Srinivasa Colony, Mission Road, Bangalore - 560027
Ph: 080 - 4114 2867, Email: civiltechlabs@gmail.com

TEST REPORT

WATER ABSORPTION TEST OF ROAD AGGREGATES

Bituminous Concrete (BC)

Name & Address of the Customer	AEE, Yelanka New town Sub Division, BBMP.
Name of Work	Change of palce for Improvements to roads and side drains 7th cross road of Attur layout in Attur ward no. 03 (Improvements to roads and side drains at Adithya nagara in Auttur ward no. 03).
Name of Agency	Sri. K. Ravi Kumar
Date of Testing	16/09/2017

Method of Test	Sample No.	Water Absorption in %	Average Water Absorption in %	As per MORTH Table 500-17	Remarks
IS : 2386 (Part 3)	1	0.85	0.84	**2 % Maximum**	Satisfactory
	2	0.79			
	3	0.89			

AE W3

Note:

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3. Any correction invalidates this report.
4. The results are based on the test conducted on samples supplied by the client.

AE-03

Khushboo

(KHUSHBOO L.)
Quality Manager

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TEST REPORT

STRIPPING TEST OF ROAD AGGREGATES

Bituminous Concrete

Name & Address of the Customer	AEE, Yelanka New town Sub Division, BBMP.
Name of Work	Change of palce for Improvements to roads and side drains 7th cross road of Attur layout in Attur ward no. 03 (Improvements to roads and side drains at Adithya nagara in Auttur ward no. 03)
Name of Agency	Sri. K. Ravi Kumar
Date of Testing	16/09/2017

Method of Test	Observation No.	Uncovered Area/Stripping in %	Average Stripping Value in %	As Per Morth Table 500-17	Remarks
IS 6241-1971 (Reafirmed 2003))	1	4.1	3.6	5 % Maximum	Satisfactory
	2	3.2			
	3	3.6			

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TEST REPORT

TESTS ON BITUMEN SAMPLE

Name & Address of the Customer	AEE, Yelanka New town Sub Division, BBMP.
Name of Work	Change of palce for Improvements to roads and side drains 7th cross road of Attur layout in Attur ward no. 03 (Improvements to roads and side drains at Adithya nagara in Auttur ward no. 03).
Name of the Agency	Sri. K. Ravi Kumar
Date of Testing	16/09/2017

Paving Grade of Bitumen - 80-100 Grade

Sl.No.	Name of the Test	Test As Per IS Code	Result	Specification as Per IS 73 : 2006	Remarks
1	Specific Gravity @ 27° C	IS : 1202-1978	0.99	0.97 - 1.02	Pass
2	Flash Point °C	IS : 1209-1978	231	Minimum 220°C	Pass
3	Fire Point °C	IS : 1209-1978	262	Not Specified	Pass
4	Softening Point (R&B) °C	IS : 1205-1978	54	Minimum 40°C	Pass
5	Penetration @ 25 °C 100g & 5 S, 0.1 mm	IS : 1203-1978	84	80-100	PASS
6	Ductitily @ 25°C in Cm	IS : 1208-1978	80.4	Minimum 75 cm	Pass

AEW3

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TEST REPORT

GRADATION TEST ON BITUMINOUS CONCRETE MIX GRADE - 2

Name & Address of the Customer	AEE, Yelanka New town Sub Division, BBMP.
Name of Work	Change of palce for Improvements to roads and side drains 7th cross road of Attur layout in Attur ward no. 03 (Improvements to roads and side drains at Adithya nagara in Auttur ward no. 03).
Name of Agency	Sri. K. Ravi Kumar
Date of Testing	16/09/2017
Technical Reference	IS : 2386(Part I)-1963 (Reaffirmed 2011)

	Sample-1		
IS Sieve Designation (mm)	**% By Weight Passing IS Sieve as per MORTH (4th Revision) Table 500-18 for BC Grade-2**	**Actual % By Weight Passing IS Sieve**	**Remarks**
19	100	**100**	**Satisfies the requirements**
13.2	79-100	**98.4**	
9.5	70-88	**83.6**	
4.75	53-71	**64.9**	
2.36	42-58	**48.6**	
1.18	34-48	**38.6**	
0.6	26-38	**31.6**	
0.3	18-28	**23.8**	
0.15	12-20	**17.2**	
0.075	4-10	**8.5**	

AEW3

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TEST REPORT

GRADATION TEST ON BITUMINOUS CONCRETE MIX GRADE - 2

Name & Address of the Customer	AEE, Yelanka New town Sub Division, BBMP.
Name of Work	Change of palce for Improvements to roads and side drains 7th cross road of Attur layout in Attur ward no. 03 (Improvements to roads and side drains at Adithya nagara in Auttur ward no. 03)
Name of Agency	Sri. K. Ravi Kumar
Date of Testing	16/09/2017
Technical Reference	IS : 2386(Part I)-1963 (Reaffirmed 2011)

	Sample-2		
IS Sieve Designation (mm)	**% By Weight Passing IS Sieve as per MORTH (4th Revision) Table 500-18 for BC Grade-2**	**Actual % By Weight Passing IS Sieve**	**Remarks**
19	100	**100**	**Satisfies the requirements**
13.2	79-100	**98.8**	
9.5	70-88	**85.6**	
4.75	53-71	**61.3**	
2.36	42-58	**48.8**	
1.18	34-48	**38.2**	
0.6	26-38	**30.5**	
0.3	18-28	**22.7**	
0.15	12-20	**18.5**	
0.075	4-10	**8.1**	

AE W3

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TEST REPORT

DETERMINATION OF BINDER CONTENT FROM BITUMINOUS PAVING MIXTURE FOR QUALITY CONTROL - BITUMINOUS CONCRETE MIX-GRADE 2

Name & Address of the Customer	AEE, Yelanka New town Sub Division, BBMP.
Name of Work	Change of palce for Improvements to roads and side drains 7th cross road of Attur layout in Attur ward no. 03 (Improvements to roads and side drains at Adithya nagara in Auttur ward no. 03).
Name of the Agency	Sri. K. Ravi Kumar
Date of Testing	16/09/2017
Technical Reference	ASTM: D2172/D2172M-17 - Test Method A - Centrifuge Extraction

Specification: As Per MORTH (4th Revision) Table 500-18, Bitumen Content for BC Grade-2 is 5% to 7%

Sl. No.	Description	Values
1	Weight of bituminous mixture before extraction test, W_1 g	2000.0
2	Total Weight of mineral aggregate obtained from centrifuge extractor, W_2 g	1881.6
3	Total weight of Bitumen extracted from the mixture, W_3 g = (W_1-W_2) g	118.4
4	Bitumen content in %, (W_3/W_1) %	5.9
Remarks	**Satisfies the requirement**	

AEW3

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